

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	New U.S. Nat'l. Phase of PCT/KR2004/002181
Filing Date	August 8, 2006
First Named Inventor	Lee et al.
Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket Number	4240-148

Sheet 1 of 3

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	AA	US- 2005/0019857 - A1	01-27-2005	Lee, Sang-Yup, et al.	
	AB	US- 6,274,345 - B1	08-14-2001	Lee, Sang Yeop, et al.	
	AC	US- 5,114,674 - A	05-19-1992	Stanbro, William D., et al.	
	AD	US- 5,807,754 - A	09-15-1998	Zambias, Robert, et al.	
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
	AE	WO - 00/61806 - A2	10-19-2000	Baer, Thomas M., et al.		
	AF	WO - 97/42507 - A1	11-13-1997	Esnouf, Michael Peter, et		
	AG	KR - 10-2004-0462832 - B1	12-10-2004	Lee, Sang Yeop, et al.		
	AH	EP - 0 818 467 - A2	01-14-1998	Miwa, Johji, et al.		
	AI	WO - 00/54046 - A2	09-14-2000	Noonan, William D., et al.		

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	AJ	AGTERBERG, MARJA, ET AL., Outer-membrane PhoE protein of Escherichia coli K-12 as an exposure vector: possibilities and limitations, Gene, March 1990, Page(s) 37-45, Volume 88, Number 1	
	AK	CADWELL, R. C., ET AL., Randomization of genes by PCR mutagenesis, PCR Methods Appl., August 1992, Page(s) 28-33, Volume 2, Number 1	
	AL	CHARBIT, ALAIN, ET AL., Versatility of a vector for expressing foreign polypeptides at the surface of Gram-negative bacteria, Gene, October 15, 1988, Page(s) 181-189, Volume 70, Number 1	

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.